Texas Commission on Environmental Quality Surface Water Quality Monitoring Program

Quantitative Biological Scoring for Evaluating Aquatic Life Use Subcategories Regional Criteria Worksheets for Fish

Ecoregion 24

Stream Name:		Location:		Date:		
Collector:			County:			
No. seine hauls:		Electrofishing	effort (min):			
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score	
	Drainage basin size (km²)					
	Number of fish species		Number of fish species			
	Number of native Cyprinid species		Number of native Cyprinid species			
Species richness	Number of benthic invertivore species		Number of benthic invertivore species			
and composition	Number of sunfish species		Number of sunfish species			
	Number of intolerant species		Number of intolerant species			
	Number of individuals as tolerants ^a		% of individuals as tolerant speciesa			
Trophic composition	Number of individuals as omnivores		% of individuals as omnivores			
	Number of individuals as invertivores		% of individuals as invertivores			
	Number of individuals (seine)		Number of individuals in sample			
Fish abundance	Number of individuals (electrofishing)		Number of individuals/seine haul			
and condition	Number of individuals in sample		Number of individuals/min electrofishing			
	# of individuals as non-native species		% of individuals as non-native species			
	# of individuals with disease/anomaly		% of individuals with disease/anomaly			
			Index of biotic integrity numeric score:			
			Aquatic life use:			
This data sh	ould be incorporated with water quality, ha	abitat, and other a	t, and other available biological data to assign an overall stream score.			

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^a Excluding western mosquitofish

Ecoregions 25 & 26

Stream Name:		Location:		Date:	
Collector:			County:		
No. seine hauls:		Electrofishing	effort (min):		
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score
	Drainage basin size (km²)				
Species richness	Number of fish species		Number of fish species		
and composition	Number of native Cyprinid species		Number of native Cyprinid species		
	Number of sunfish species		Number of sunfish species		
Trophic composition	Number of individuals as omnivores		% of individuals as omnivores		
	Number of individuals as invertivores		% of individuals as invertivores		
	Number of individuals (seine)		Number of individuals in sample		
Fish abundance	Number of individuals in sample		Number of individuals/seine haul		
and condition	# of Individuals as non-native species		% of individuals as non-native species		
	# of Individuals with disease/anomaly		% of individuals with disease/anomaly		
			Index of biotic integrity n	umeric score:	
			Aqu	atic life use:	
This data sh	ould be incorporated with water quality, ha	bitat, and other	available biological data to assign an ove	rall stream score).

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Ecoregions 27, 29, & 32

Stream Name:		Location:		Date:			
Collector:			County:				
No. seine hauls:		Electrofishing	effort (min):				
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score		
	Drainage basin size (km²)						
	Number of fish species		Number of fish species				
Species richness	Number of native Cyprinid species		Number of native Cyprinid species				
and composition	Number of benthic invertivore species		Number of benthic invertivore species				
	Number of sunfish species		Number of sunfish species				
	Number of individuals as tolerants ^a		% of individuals as tolerant species _a				
	Number of individuals as omnivores		% of individuals as omnivores				
Trophic composition	Number of individuals as invertivores		% of individuals as invertivores				
	Number of individuals as piscivores		% of individuals as piscivores				
	Number of individuals (seine)		Number of individuals in sample				
Fish abundance	Number of individuals (electrofishing)		Number of individuals/seine haul				
and condition	Number of individuals in sample		Number of individuals/min electrofishing				
	# of individuals as non-native species		% of individuals as non-native species				
	# of individuals with disease/anomaly		% of individuals with disease/anomaly				
			Index of biotic integrity nu	ımeric score:			
			Aqua	Aquatic life use:			
This data sh	ould be incorporated with water quality, ha	abitat, and other a		atic life use:			

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^a Excluding western mosquitofish

Ecoregion 30

Stream Name:		Location:		Date:		
Collector:			County:			
No. seine hauls:		Electrofishing	effort (min):			
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score	
	Drainage basin size (km²)					
	Number of fish species		Number of fish species			
	Number of native Cyprinid species		Number of native Cyprinid species			
Species richness	Number of benthic invertivore species		Number of benthic invertivore species			
and composition	Number of sunfish species		Number of sunfish species			
	Number of intolerant species		Number of intolerant species			
	Number of individuals as tolerants ^a		% of individuals as tolerant speciesa			
	Number of individuals as omnivores		% of individuals as omnivores			
Trophic composition	Number of individuals as invertivores		% of individuals as invertivores			
	Number of individuals as piscivores		% of individuals as piscivores			
	Number of individuals (seine)		Number of individuals in sample			
Fish abundance	Number of individuals (electrofishing)		Number of individuals/seine haul			
and condition	Number of individuals in sample		Number of individuals/min electrofishing			
	# of individuals as non-native species		% of individuals as non-native species			
	# of individuals with disease/anomaly		% of individuals with disease/anomaly			
			Index of biotic integrity numeric score:			
			Aquatic life use:			
This data sh	incorporated with water quality, ha	abitat, and other a	Aquavailable biological data to assign an overa).	

^a Excluding western mosquitofish

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Ecoregion 31

Stream Name:		Location:		Date:		
Collector:			County:			
No. seine hauls:		Electrofishing	effort (min):			
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score	
	Drainage basin size (km²)					
	Number of fish species		Number of fish species			
Species richness	Number of native Cyprinid species		Number of native Cyprinid species			
and composition	Number of benthic species		Number of benthic species			
	Number of sunfish species		Number of sunfish species			
	Number of individuals as tolerants ^a		% of individuals as tolerant species _a			
	Number of individuals as omnivores		% of individuals as omnivores			
Trophic composition	Number of individuals as invertivores		% of individuals as invertivores			
	Number of individuals as piscivores		% of individuals as piscivores			
	Number of individuals (seine)		Number of individuals in sample			
Fish abundance	Number of individuals (electrofishing)		Number of individuals/seine haul			
and condition	Number of individuals in sample		Number of individuals/min electrofishing			
	# of Individuals as non-native species		% of individuals as non-native species			
	# of Individuals with disease/anomaly		% of individuals with disease/anomaly			
			Index of biotic integrity nu	egrity numeric score:		
			Aqu	atic life use:		
This data sh	ould be incorporated with water quality, ha	bitat, and other a	available biological data to assign an overa	all stream score).	

^a Excluding western mosquitofish

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Ecoregions 33 & 35

Stream Name:		Location:		Date:		
Collector:			County:			
No. seine hauls:		Electrofishing	effort (min):			
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score	
	Drainage basin size (km²)					
	Number of fish species		Number of fish species			
	Number of native Cyprinid species		Number of native Cyprinid species			
Species richness	Number of benthic invertivore species		Number of benthic invertivore species			
and composition	Number of sunfish species		Number of sunfish species			
	Number of intolerant species		Number of intolerant species			
	Number of individuals as tolerants ^a		% of individuals as tolerant species _a			
	Number of individuals as omnivores		% of individuals as omnivores			
Trophic composition	Number of individuals as invertivores		% of individuals as invertivores			
	Number of individuals as piscivores		% of individuals as piscivores			
	Number of individuals (seine)		Number of individuals in sample			
Fish abundance	Number of individuals (electrofishing)		Number of individuals/seine haul			
and condition	Number of individuals in sample		Number of individuals/min electrofishing			
	# of individuals as non-native species		% of individuals as non-native species			
	# of individuals with disease/anomaly		% of individuals with disease/anomaly			
			Index of biotic integrity nu	umeric score:		
			Aquatic life use:			
This data sho	ould be incorporated with water quality, ha	quality, habitat, and other available biological data to assign an overall stream score.				

This data should be incorporated with water quality, habitat, and other available biological data to assign an overall stream score.

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^a Excluding western mosquitofish

Ecoregions 34

Stream Name:		Location:		Date:	
Collector:			County:		
No. seine hauls:	Electrofishing effort (min):				
Metric Category	Intermediate Totals for Metrics		Metric Name	Raw Value	IBI Score
	Drainage basin size (km²)				
	Number of fish species		Number of fish species		
	Number of native Cyprinid species		Number of native Cyprinid species		
Species richness	Number of benthic invertivore species		Number of benthic invertivore species		
and composition	Number of sunfish species		Number of sunfish species		
	Number of intolerant species		Number of intolerant species		
	Number of individuals as tolerants ^a		% of individuals as tolerant speciesa		
Trophic composition	Number of individuals as omnivores		% of individuals as omnivores		
	Number of individuals as invertivores		% of individuals as invertivores		
	Number of individuals (seine)		Number of individuals in sample		
Fish abundance	Number of individuals (electrofishing)		Number of individuals/seine haul		
and condition	Number of individuals in dample		Number of individuals/min electrofishing		
	# of individuals as non-native species		% of individuals as non-native species		
	# of individuals with disease/anomaly		% of individuals with disease/snomaly		
			Index of biotic integrity numeric score:		
			Aqu	atic life use:	
This data should be incorporated with water quality, habitat, and other available biological data to assign an overall stream score.					

^a Excluding western mosquitofish

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